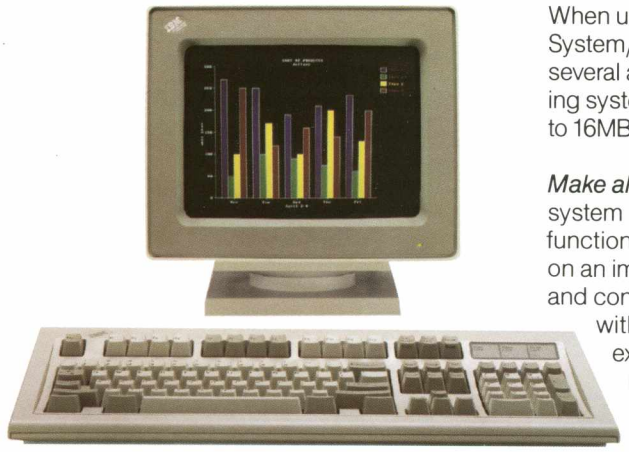
Right for today, ready for tomorrow

IBM Personal System/2 Model 80 386



Closing the gap between micros and minis

Model 80 386 is the most powerful floor-standing model in the IBM Personal System/2® family. Its Micro Channel™ architecture, 80386 microprocessor and 80-nanosecond memory make it so efficient, so capable, it's almost like having a minicomputer at your desk.

Power up your business. Used alone or connected in a large information system, Model 80 386 provides ample power to support high-function applications—including multitasking and multiuser applications—in business, science, engineering, and more.

When used with IBM Operating System/2,™ Model 80 386 will support several applications at once. The operating system provides a way to address up to 16MB of memory.

Make all the right connections. Large system architecture and advanced functions equip Model 80 386 to take on an important role in resource-sharing and connected environments. In fact, with its speed, power and seven expansion slots, this versatile PS/2™ is an ideal system to serve as a network server or gateway to a host.

Highlights

Here are some of the advanced features and functions Model 80 386 offers.

Micro Channel architecture provides efficient data paths for fast, balanced performance—even when you're supporting multiple tasks and input/output operations.

High-speed 80386 microprocessor handles data 32 bits at a time to help process large jobs quickly. For even greater calculation speed, an optional IBM 80387 Math Co-Processor can be installed.

1MB or 2MB 80-nanosecond user memory[1]—expandable to 16MB—gives you plenty of speed and workspace.

Built-in Video Graphics Array (VGA) capabilities supply videolike graphics and sharp, clear text. And up to 256 brilliant colors (from a palette of over 256,000) and 64 shades of gray provide a wide spectrum for contrast and variety.

Integrated functions improve reliability and pack more capabilities into fewer components. The result: Model 80 386 comes with built-in support for a display, printer, keyboard, even for an optional modem or pointing device.

44MB, 70MB, 115MB or 314MB fixed disks provide ready-access storage for extensive information. And with optional second fixed disks, that storage can at least double.

1.44MB diskette drive lets you easily load files and programs stored on 3.5-inch diskettes that are compact, durable, and hold as many as 720 pages[2] of information.

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The Bigger Picture

Seven expansion slots allow you to add more functions to keep pace with changing needs.

Switchless setup means all you do is connect your system and begin. Convenient ports and plugs keep things simple.

What you get

IBM Personal System/2 Model 80 386 is packaged in two cartons, one containing the system unit. The other contains:

- One-page customer setup sheet
- System unit power cord
- Keyboard and cable
- Quick reference manual
- System reference diskette with tutorial and diagnostics
- Technical directory

Options

Model 80 386 supports a wide array of optional devices—including many of the peripherals currently available for IBM Personal Computers. What follows is a listing of some of the options available for Model 80 386:

- IBM Personal System/2 80387 Math Co-Processor
- IBM Personal System/2 2-8MB 80386 Memory Expansion Option
- IBM 1MB Memory Module Kit
- IBM 2MB Memory Module Kit
- IBM 80386 Memory Expansion Option
- IBM 80386 Memory Expansion Kit
- IBM Personal System/2 Mouse
- 44MB, 70MB, 115MB and 314MB Fixed Disk Drives
- IBM Personal System/2 5.25" External Diskette Drive Model 4869-001
- IBM Personal System/2 Data Migration Facility
- IBM 6157 Streaming Tape Drive
- IBM 3363 Optical Disk Drive
- IBM 300/1200 Internal Modem/A
- IBM Dual Async Adapter/A
- IBM Multi-Protocol Adapter/A
- IBM 3270 Connection
- IBM System 36/38 Workstation Emulation Adapter
- IBM Token-Ring Network Adapter/A
- IBM PC Network Adapter II/A
- IBM PC Network Baseband Adapter/A
- IBM Personal System/2 3117 Adapter/A
- IBM Personal System/2 High Speed Adapter/A
- IBM Realtime Interface Co-Processor Multiport/2

IBM Personal System/2 Model 80 386 at a glance

Machine numbers	8580-041	8580-071	8580-111	8580-311
80386 microprocessor	16 MHz, 1 wait state	16 MHz, 1 wait state	20 MHz, 0-2 wait states	20 MHz, 0-2 wait states
Optional 80387 Math Co-Processor	16 MHz	16 MHz	20 MHz	20 MHz
Permanent memory (ROM)	128KB standard			
Memory (RAM)[1]				
Standard	1MB (80ns)	2MB (80ns)	2MB (80ns)	2MB (80ns)
Maximum on system board	2MB	4MB	4MB	4MB
System maximum	16MB	16MB	16MB	16MB
Integrated functions	Video Graphics Array (VGA) and display port, serial port, parallel port, pointing device port, keyboard port, diskette controller, clock/calendar			
System expansion	Seven available expansion slots (four 32-bit, three 16-bit)			
Operating systems	DOS 3.30, IBM Operating System/2, AIX™ Personal System/2			
Storage				
1.44MB 3.5-inch diskette drives				
Standard	1	1	1	1
Maximum	2	2	2	2
Fixed disk				
Standard	44MB (40ms)	70MB (30ms)	115MB (28ms)	314MB (23ms)
Optional	44MB	70, 115, 314MB	70, 115, 314MB	70, 115, 314MB
Also optional	Either a second 1.44MB diskette drive or IBM 5.25" External Diskette Drive; IBM 3363 Optical Disk Drive, IBM 6157 Streaming Tape Drive			
Text/graphics support	VGA supports CGA, EGA and MCGA modes and provides up to 256 colors (from a palette of over 256,000) and 64 shades of gray (monochrome)			
Display modes	All CGA and EGA modes plus: 320 x 200 pels x 256 colors—all points addressable 640 x 480 pels x 16 colors—all points addressable 9 x 16 character box—16 colors (text)			
Keyboard	101 keys, including 12 function keys, 3 lighted mode indicators; 9-foot coiled cable			
Supported displays	IBM Personal System/2 Color Displays 8512, 8513 and 8514; IBM Personal System/2 Monochrome Display 8503			
Supported printers	IBM Proprinter™ family, IBM Quietwriter® printers, IBM Wheelprinters, IBM Pageprinter, IBM Color Jetprinter			
Power supply	225-watt worldwide autosensing and autoswitching			
Size	Approx. 23.5"H x 6.5"W x 19"D (597mm x 166mm x 482mm); 52 lbs. (23 kg)			

Warranty/Service

Every IBM product is built to meet high standards of quality and reliability. So you can count on Model 80 386 to perform smoothly year after year.

Model 80 386 is backed by a one-year limited warranty. And extended service terms are available from IBM and from IBM Authorized Advanced Products Dealers.

With an IBM Maintenance Agreement, you can arrange for on-site service.

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[1] *128KB of this memory is reserved for hardware system use in Models 80-111 and -311.*

[2] *8½ x 11-inch, double-spaced typewritten pages.*

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